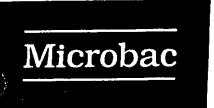
## ATTACHMENT

C



Microbac Laboratories, Inc. Bradford Division

P.O. Box 489, Bradford, Pennsylvania 16701 Phone: (814) 368-6087 Fax: (814) 368-6091 e-mail: bradforddiv@microbac.com

## INDOOR AIR QUALITY SURVEY

At

Unicor F.C. I. McKean Rt. 59 and Big Shanty Road Lewis Run, PA 16738

Work Order No.: 9931-444

Date of Sampling: July 31, 2001

Performed For: Unicor Factory

Report Reviewed By:

April G. Lang

**Laboratory Director** 



#### Microbac Laboratories, Inc. **Bradford Division**

P.O. Box 489, Bradford, Pennsylvania 16701 Phone: (814) 368-6087 Fax: (814) 368-6091 e-mail: bradforddiv@microbac.com

#### **SUMMARY**

At the request of Roger Reinard of Unicor F.C. I. McKean, an Indoor Air Quality Survey was performed in the Unicor Factory on July 31, 2001. The sampling was performed from 7:00 a.m. until 3:45 p.m. The reason for the sampling was an OSHA complaint regarding dust in the air at the facility.

The sampling parameters requested were total and respirable particulates. The collection media was matched weight filter and the analysis method was NIOSH 0500 for total particulates and NIOSH 0600 for respirable particulates.

Two field technicians, April Lang and Mike Francis, arrived at the facility at 0600 hours and proceeded to the Unicor Factory. After consultation with the staff is was decided to set up the pumps and air sampling equipment at the following sites:

> Router Station Large Panel Saw Area CNC Machine Area Radial Arm Saw Area Weeke Point to Point Machine Area Edge Bander Area

The pumps were set up and testing began between 0730 and 0745 hours such that eight hours was achieved for the total sampling time at each area. At this time one of the field technicians, April Lang, left the site and Mike Francis remained on site to check the status of the equipment and filters during the testing. The pumps and filters were disassembled between 1530 and 1545 hours and the field technician left the premises.

Results can be found on the attached Certificate of Analysis. The OSHA standard for Total Particulates/Nuisance Dust is 15 mg/cubic meter and 5.0 mg/cubic meter for Respirable Particulates/Respirable Nuisance Dust. As per our report none of the samples exceeded these limits.

# Microbac

**® Microbac4: Aboratopies Aboratopies**Page 4 of 10

BRADFORD DIVISION P.O. BOX 489

BRADFORD (814) 368-6087

PA 1670 t

## http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

#### CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD

PA 16701

Date Reported 8/13/01 Date Received 7/31/01Order No. 9931-00444 Invoice No: 008032 Cust # F009

Sampled Date Sampled Time

7/31/01 00:00

Sample Id

Permit No

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST

RESULT

ROUTER STATION - TOTAL PARTICULATES, 0730 - 1530 HRS.

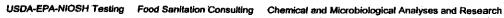
AIR TEST INFORMATION		•		7/3//8/	<b>k</b> bb
SAMPLED BY:	4	MPF		7/31/01	HPF :
ING MEDIA		MATCHED REIGHT	FILTER	7/31/01	MPF
PERATOR		MPF		1/31/01	<b>XPF</b>
R/TUBE HUNBER		9931-444-1		7/01/01	HbE
SAMPLING DATE		7/31/01		7/11/01	#PF
SAMPLING TIME		480	MINUTES	7/11/01	ME
FLOW RATE		3.0	LITERS/MIN	7/31/01	HPF
VOLUME OF AIR SAMPLED		1440	LITERS	7/31/01	MLE.
PARTICULATES, TOTAL	H108H 0500	<0.2	MG/MJ	8/00/01	17 B 1

ROUTER STATION - RESPIRABLE PARTICULATES, 0730 - 1530 HRS.

AIR TEST INFORMATION		,		1/31/61	MEF
SAMPLED BY:	•	MPF		7/31/04	HDA
SAMPLING MEDIA	•	MATCHED WEIGHT	PILTER :	7/31/01	MIT.
PUMP OPERATOR		MPF		7/31/01	HPF
'ILTER/TUBE HOMBER		9931-444-2		7/31/91	MFF.
MANPLING DATE		7/31/01		7/31/01	ppp.
SAMPLING TIME		480	HINUTES	77)1791	MEE
LOW RATE	*	1.7	LITERS/MIN	7/31/01	#[1]
OLUME OF AIR SAMPLED		816	LITERS	7/31/01	Mbh
ARTICULATES, RESPIRABLE NIOSH 0600		<0.4	MG/43	8/09/01	KR J
			مسيو	·	

Certificate Of Analysis Continued On Next Page

The data and other information contained on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon the condition that it is not to be reproduced wholly or in part for advertising or other purposes without written approval from the laboratory.





# Microbac

B Microbas baboratories/ane. Page 5 of 10

BRADFORD DIVISION P.O. BOX 489

BRADFORD (814)368-6087 .PA 16,701

## http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

#### CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD

PA 16701

Date Received 7/31/01 Order No-9931-00444 Invoice No 008032 Cust # F009 Sampled Date 7/31/01

DATE

Sampled Time

Date Reported

00:00

8/13/01

Sample 1d

UHITS

Permit No

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST METHOD RESULT

LARGE PANEL SAW AREA - TOTAL PARTICULATES, 0733 - 1533 HRS.

AIR TEST INFORMATION	,	•		7/31/91	With
SAMPLED BY:	•	MPF		7/31/01	MPF
ING MEDIA		MATCHED WEIGHT	FILTER	7/11/01	MPF
PERATOR	•	мер		7/11/01	MPF
K/TURE NUMBER		9931-444-3		7/31/01	RFF
SAMPLING DATE		7/31/01		7/31/01	MPF
SAMPLING TIME		480	MINUTES	7/31/01	Kb.k.
FLOW RATE		3.0	LITERS/MIN	7/31/01	MPF
VOLUME OF AIR SAMPLED		1440	LITERS	7/31/01	MPF
PARTICULATES, TOTAL	HIOSH 0500	0.3	MG/M3	8/09/91	ER I

LARGE PANEL SAW AREA - RESPIRABLE PARTICULATES, 0733 - 1533

HRS.

PARTICULATES, RESPIRABLE	NIOSH 0600	<0.4	MG/M3	8709761	EP I
AIR TEST INFORMATION			•	7731791	Mb.
SAMPLED BY:		MPF		7/11 91	MIP
SAMPLING HEDIA		MATCHED WEIGHT	PILTER	7/11/91	ND:
PUMP OPERATOR		MPF		7/11/01	Nb.
?ILTER/TÜBE NUMBER		9931-444-4		7/31/01	MIT
BAMPLING DATE		7/31/01		7/31/01	MF F
TAMPLING TIME	•	480	RIBUTES	7/31/91	PFF
LOW RATE	•	1.7	LITERS/MIN	7/31/01	MPF
OLUME OF AIR SAMPLED		816	LITERS	7/31/01	MPF

Certificate Of Analysis Continued On Next Page

The data and other information contained on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon the condition that it is not to be reproduced wholly or in part for advertising or other purposes without written approval from the laboratory.

(B) Microbac Laboratories 6,1006

P.O. BOX 489

BRADFORD

PA 16701

(814)368-6087

## http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

#### CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD

PA 16701

Date Reported 8/13/01 Date Received 7/31/01 Order No 9931-00444 Invoice No 008032

Page 6 of 10

Cust # Sampled Date F009 7/31/01

Sampled Time

00:00

Sample Id

Permit No

Cust P.O. 4700046491

Subject: PARTICULATE IN AIR TESTING, 7/31/01

TEST METHOD RESULT UNITS DATE TO

#### CNC MACHINE AREA - TOTAL PARTICULATES, 0736 - 1536 HRS.

AIR TEST INFORMATION			7/31/91	#PF
SAMPLED BY:	HPF	•	7/31/01	ដូត្រព
ING MEDIA	MATCHED WEIGHT	FILTER	7/31/01	. <b>#</b> P}
PERATOR	NPF	· · · · · · · · · · · · · · · · · · ·	7/31/01	NLb
TUBE NUMBER	9931-444-5		7/31/01	Hilt
SAMPLING DATE	7/31/01		7/31/91	<b>H</b> 1.5
SAMPLING TIME	480	MINUTES	7/31/01	Nut.
FLOW RATE	3.0	LITERS/NIN	7/01/01	al.t.
VOLUME OF AIR SAMPLED	1440	LITERS	7/31/91	BBE
PARTICULATES, TOTAL NIO	TH 0500 <0.2	MG/M3	8/09/01	ERI

#### CNC MACHINE AREA - RESPIRABLE PARTICULATES, 0736 - 1536 HRS.

AIR TEST INFORMATION			•	. *	1/31/01	MPF
SAMPLED BY:		•	MPF	*	7/3]/01	Mbt
SAMPLING MEDIA		KATCHE	D WEIGHT	PILTER .	7/31/01	MbE
PUMP OPERATOR			KPF		7/31/01	HPF
FILTER/TUBE NUMBER		99	31-444-6		.4731791	MPF
SAMPLING DATE			7/31/01		7/31/01	KEF
SAMPLING TIME			480	RINUTES	7/31/61	MPF
LOW RATE			1.7	LITERS/NIN	7/31/01	lib).
JOLUNE OF AIR SAMPLED		•	816	LITERS	7/31/01	REF
PARTICULATES, RESPIRABLE	NIOSH 0600		<0.4	MG/MB	8/02/04	FR1

Certificate Of Analysis Continued On Next Page



# **licrobac**

AICTODAC LADOFALUTE /2000

P.O. BOX 489 BRADFORD (814)368-6087

-PA 16701

## http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

#### CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD

PA 16701

Date Reported 8/13/01 Date Received 7/31/01 9931-00444 Order No. Invoice No. 008032 Cust # F009

Page 7 of 10

Sampled Date Sampled Time

7/31/01 00:00

Sample Id

Permit No

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST METHOD RESULT UNITS DATE

#### RADIAL ARM SAW AREA - TOTAL PARTICULATES, 0737 - 1517 HRS.

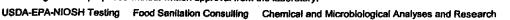
				7/31/01	HD2
		MPF		1/31/01	4PF
		MATCHED WEIGHT	FILTER	7/31/01	<b>ትባ</b> ዛ
		MPF		7/31/01	MEF
		9931-444-7		7/31/01	KPF
		7/31/01		1/11/01	MUL
	+.	480	Hinotes	7/31/01	ähk
•		3.0	LITERS/HIN	7/31/01	MPY
•		1440	LITERS	7/3(/01	MPF
NIOSH 0500		0.2	MG/NJ	8/09/01	BR J
	N10SH 0500		MATCHED WEIGHT MPF 9931-444-7 7/31/01 480 3.0 1440	MATCHED WEIGHT FILTER MPF 9931-444-7 7/31/01 480 HINUTES 3.0 LITERS/HIN 1440 LITERS	MPF 7/31/01 MATCHED WEIGHT FILTER 7/31/01 MPF 7/31/01 9931-444-7 7/31/01 7/31/01 1/11/01 480 HINUTES 7/31/01 3.0 LITERS/HIN 7/31/01 1440 LITERS 7/31/01

### RADIAL ARM SAW AREA - RESPIRABLE PARTICULATES, 0737 - 1537

HRS.					,	
LIR TEST INFORMATION		•			7/31/01	W.E.
JAMPLED BY:			KPF	·	7/31/01	HOF
BAMPLING KEDIA			MATCHED WEIGHT	PILTER.	7/31/04	Rich
OMP OPERATOR	•		MPF		7/31781	4PF
'ILTER/TUBE NUMBER			9931-444-8		7/31/01	MPF
AMPLING DATE			7/31/01		7/31/01	RPF
AMPLING TIME			480	MINUTES	7/31/01	äbe
LOW RATE			1.7	LITERS/HIN	7/31/91	MPF
OLUME OF AIR SAMPLED			816	LITERS	. 7/31/01	Rbk
ARTICULATES, RESPIRABLE	HIOSH	0600	<0.4	MG/MD	8/09/01	F.R.1

Certificate Of Analysis Continued On Next Page

The data and other information contained on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon the condition that it is not to be reproduced wholly or in part for advertising or other purposes without written approval from the laboratory.





P.O. BOX 489 BRADFORD

. PA 16701

(814)368-6087

## http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

#### CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

Microbac

BRADFORD

PA 16701

 Date Reported
 8/13/01

 Date Received
 7/31/01

 Order No
 9931-00444

 Invoice No
 008032

 Cust #
 F009

 Sampled Date
 7/31/01

Sampled Date Sampled Time

me 00:00

Sample 1d

Permit No

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST METHOD RESULT UNITS DATE T

#### WEEKE POINT TO POINT - TOTAL PARTICULATES, 0745 - 1545 HRS

AIR TEST INFORMATION	•	ű.		7/31/01	111.1
SAMPLED BY:		MPF		7/31/01	MPF
ING MEDIA		MATCHED WEIGHT	FILTER	7/31/01	HPF
PERATOR		MPF		7/31/01	MPF
TUBE NUMBER		9931-444-9	•	7/31/01	MPF
SAMPLING DATE		7/31/01		7/31/01	HPP
SAMPLING TIME		480	HINUTES	7/31/01	HLE
FLOW RATE		1.0	LITERS/MIN	7/31/01	MPF
VOLUME OF AIR SAMPLED		1440	LITERS	7/31/01	HIF
PARTICULATES. TOTAL	NIOSH 0500	<0.2	MG/M3	8/09/01	FEL

### WEEKE POINT TO POINT - RESPIRABLE PARTICULATES, 0745 - 1545

W13101113			•		
HRS.					
AIR TEST INFORMATION		•		7/31791	MER
SAMPLED BY:		MPP		7/31/01	HPF
SAMPLING MEDIA		MATCHED WEIGHT	FILTER	7/31/01	RPF
PUMP OPERATOR		MPF		7/31/01	HPP
FILTER/TOBE NUMBER		9931-444-10		.7/11/01	MPP -
SAMPLING DATE	· · · · · ·	7/31/01		7/31/01	Rbk
SAMPLING TIME		489	KINUTES	7/31/01	HPF
FLOW RATE		1.7	LITERS/MIN	7/31/01	KIF
VOLUME OF AIR SAMPLED		816	LITERS	7/31/01	HFF .
PARTICULATES, RESPIRABLE	NIOSH 0600	<0.4	MG/MJ	8/99/01	ERI

Certificate Of Analysis Continued On Next Page



## Vicrobac

BRADFORD DIVISION Page 9 of 10

P.O. BOX 489 BRADFORD

(814)368-6087

- PA 16701

## http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

#### CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD

PA 16701

Date Reported 8/13/01 Date Received 7/31/01 Order No 9931-00444 Invoice No 008032Cust. # F009 Sampled Date 7/31/01

Sampled Time

Sample Id

00:00

Permit No

Cust P.O. 4700046491

Subject: PARTICULATE IN AIR TESTING, 7/31/01

TEST METHOD

#### EDGE BANDER - TOTAL PARTICULATES, 0735 - 1535 HRS.

AIR TEST INFORMATION					7/31/01	Wr.F
SAMPLED BY:			MPF	<u>.</u>	7/31/01	MILE
ING MEDIA			MATCHED WEIGHT	FILTER	7/31/01	npr
PERATOR	•		MPF	•	7/31/01	KLE
k/tube number	•	4	9931-444-11		7/31/01	MLL
SAMPLING DATE			7/31/01	•	7/31/01	ирг
SAMPLING TIME		•	480	MINUTES	7/31/01	Muk
FLOW RATE	•		1.0	LITERS/MIN	7/31/01	HPF
VOLUME OF AIR SAMPLED	i		1440	LITERS	7/31/01	Mbb
PARTICULATES, TOTAL	MIOSH OSOO	}	<0.2	MG/M3	8/09/01	ZR I

#### EDGE BANDER - RESPIRABLE PARTICULATES, 0735 - 1535 HRS.

AIR TEST INFORMATION			•	7/31/91	MPF
SAMPLED BY:		MPF		7/31/91	11111
SAMPLING MEDIA		MATCHED WEIGHT	FILTER	7/31/01	Mb 6
PUNP OPERATOR	,	MPF		7/11/01	" Mile
FILTER/TUBE NUMBER		9931-444-12		1/11/01	41.7
SAMPLING DATE		7/31/01		7/31/01	HLL
SAMPLING TIME		480	MINUTES	7/34/03	Mbk
FLOW RATE		. 1.7	LITERS/MIN	7/31/01	ñ h e
VOLUME OF AIR SAMPLED		816	LITERS	7/31/01	MLA
PARTICULATES, RESPIRABLE	N108H 0600	<0.4	MG/M3	8/09/01	1:81

Certificate Of Analysis Continued On Next Page

The data and other information contained on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon the condition that it is not to be reproduced wholly or in part for advertising or other purposes without written approval from the laboratory.





## R Microbac Laboratories / Inc. Page 10 of 10

BRADFORD DIVISION P.O. BOX 489 BRADFORD (814)368-6087

PA 16701

### http://www.microbac.com

CHEMISTRY • MICROBIOLOGY • FOOD SAFETY • CONSUMER PRODUCTS WATER • AIR • WASTES • FOOD • PHARMACEUTICALS • NUTRACEUTICALS

CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD

PA 16701

Date Reported Date Received 7/31/01 9931-00444 Order No : Invoice No 008032F009 Cust #

Sampled Date Sampled Time

7/31/01 00:00

Sample (d

Permit No.

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST

METHOD

RESULT

UNITS

DATE

TECHNICIAN TIME

TECHNICIAN CHARGE

30.4 7/11/24

ALYSES BY PA LABS:

42 - 060

25-067

